



Agenda

April 14-16, 2010

Nuclear and Particle Physics, Astrophysics, and Cosmology (NPAC) Capability Review

Participating Organizations/Divisions

Chemistry (C) Computer, Computational, & Statistical Sciences (CCS) International, Space, & Response (ISR) Los Alamos Neutron Science Center (LANSCE) Physics (P)	Theoretical (T) Computational Physics (XCP) Theoretical Design (XTD) Global Security (GS)
---	--

Wednesday, April 14

J. Robert Oppenheimer Study Center, Jemez Room

7:30 - 8:00	Meet at Badge Office	Committee Members Only
8:00 - 8:40	Charge to the Nuclear & Particle Physics, Astrophysics, and Cosmology Capability Review	Terry Wallace, PADSTE
8:40 - 9:20	NPAC Overview	Alan Bishop, ADTSC
9:20 - 10:15	Executive session and break	Committee Members Only
10:15 - 11:00	NPAC Strategic Capability Planning	Don Rej, Office of Science Programs
Theme Area: Nuclear Physics		
11:00 - 11:45	Nuclear Physics Overview	W. Scott Wilburn, P-25
11:45 - 12:15	Nuclear Theory Overview	Ivan Vitev, T-2
12:15 - 1:15	Lunch Break	Committee Members Only
1:15 - 1:45	Update on MiniBooNE Oscillations	Richard Van de Water, P-25
1:45 - 2:15	Fundamental Symmetries and Physics Beyond the Standard Model	Vincenzo Cirigliano, T-2
2:15 - 2:45	Heavy Ion Program	Melynda Brooks, P-25
2:45 - 3:00	Break	
Theme Area: Particle Physics		
3:00 - 3:45	Particle Physics Overview	Alex Friedland, T-2
3:45 - 4:15	CLEAN Detection & Identification of Dark Matter	Andrew Hime, P-23
4:15 - 4:45	The Long-Baseline Neutrino Experiment	Christopher Mauger, P-25
4:45 - 5:15	Particle Theory	Michael Graesser, T-2
5:15 - 6:00	Executive session	Committee Members Only
6:00 - 6:30	Travel to Española	
6:30 - 8:30	Director's Office Hosted Dinner at El Paragua Restaurant, Española	Committee Members & Invitees Only

Thursday, April 15		
J. Robert Oppenheimer Study Center, Jemez Room		
<i>Theme Area: Astrophysics and Cosmology</i>		
8:00 - 8:45	Observational Astrophysics and Cosmology at LANL	Tom Vestrand, GS-PO
8:45 - 9:15	Surveying the TeV Sky with the High Altitude Water Cherenkov (HAWC) Observatory	Brenda Dingus, P-23
9:15 - 10:00	Theoretical Astrophysics at LANL	Chris Fryer, CCS-2
10:00 - 10:15	Break	
10:15 - 11:00	LDRD Presentation: Computational Cosmology	Katrin Heitmann, ISR-1
<i>Closed Session</i>		
11:00 - 11:30	Executive session	Committee Members Only
11:30 - 12:30	Lunch Break	Committee Members Only
12:30 - 1:00	LANSCe Status	Terry Wallace, PADSTE, ADTSC, & ADEPS Only
<i>Theme Area: Unclassified Applied Physics</i>		
1:00 - 2:00	Applications of NPAC at LANL from Nuclear Weapons to Global Security	Gus Sinnis, P-23
2:00 - 2:30	Nuclear Data and Energy Applications	Mark Chadwick, XCP-DO
2:30 - 3:00	Office of Nuclear Physics LANL Isotope Program	Meiring Nortier, C-IIAC
3:00 - 3:15	Break (all) and travel to NSSB (cleared members only)	
<i>Parallel Session</i>	<i>Theme Area: Classified Applied Physics NSSB, Weapons Conference Room (TA-3-1400-2416)</i>	
3:15 - 3:45	Overview of the Applied NPAC Program II (U)	Anna Hayes-Sterbenz, T-2
3:45 - 4:15	Innovations for Space Situational Awareness: Protecting our vital space infrastructure using the science and technology of NPAC (U)	Jeff Bloch, ISR-DO
4:15 - 4:45	Nuclear Physics Needs in Nuclear Forensics (U)	Carol Burns, C-NR
4:45 - 5:15	Subcritical Experiments (U)	Todd Haines, P-23
5:15 - 5:30	Travel back to Study Center	
<i>Parallel Session</i>	<i>Early Career Roundtable Session J. Robert Oppenheimer Study Center, San Ildefonso Room</i>	
3:15 - 4:30	Postdoc and Early Career Roundtable Discussion	Committee Members (without clearances)
J. Robert Oppenheimer Study Center, Santa Clara Gallery		
4:30 - 6:30	Poster session	Committee Members & Invitees Only

Friday, April 16 J. Robert Oppenheimer Study Center, Jemez Room		
<i>Theme Area: Program/Mission Session</i>		
8:00 - 8:10	Weapons Programs: ASC	Mark Chadwick, XCP-DO
8:10 - 8:20	Weapons Programs: Campaigns	Eric Brown, ADW
8:20 - 8:30	Global Security	Michael Fazio, GS-SS
8:30 - 8:40	Office of Science	John Sarrao, SPO-SC
8:40 - 8:50	Nuclear Energy	Sara Scott, SPO-CNP
8:50 - 9:40	Program/Mission Roundtable Discussion	Committee Members Program Managers/Leads
9:40 - 9:50	Break	
9:50 - 10:30	MaRIE	John Sarrao, SPO-SC
10:30 - 12:00	Executive session and outbrief preparation	Committee Members Only
12:00 - 1:00	Lunch and Executive Outbrief	Committee Members, Director's Office, & PADSTE Only
1:00 - 1:30	Open Outbrief	Bill Goldstein, NPAC Chair